

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-023557

(43)Date of publication of application : 02.02.1993

(51)Int.Cl.

B01D 71/34  
B01D 71/38

(21)Application number : 03-184214

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(22)Date of filing : 24.07.1991

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## (54) HYDROPHILIC HEAT-RESISTANT FILM AND ITS MANUFACTURE

## (57)Abstract:

PURPOSE: To provide a highly hydrophilic polyvinylidene fluoride with minimized adsorption of a physiological active substance such as protein and its manufacturing technique.

CONSTITUTION: The subject hydrophilic heat-resistant film consists of a blend polymer consisting of a highly heat and chemical-resistant polyvinylidene fluoride polymer and a hydrophilic polyvinyl alcohol polymer. Its manufacturing technique is first to form a film using a solution containing blended and molten polyvinylidene-fluoride polymer and polyvinyl acetate and saponify polyvinyl acetate partially at a saponification degree of 10% or higher to 100% or lower, or saponify polyvinylidene fluoride to polyvinyl alcohol at a saponification degree of 100%. Thus it is possible to minimize the surface attachment of a physiological active substance such as protein.

## LEGAL STATUS

[Date of request for examination] 15.07.1998

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3200095